

Secretary Town Planning Board,
15/F North Point Government Office
No. 333 Java Road, Hong Kong
Date : 6 January, 2026

Dear sir,

Re: Yan Tak Kwun at No. 45, Tan Kwai Tsuen Hung Shui Kiu, Yuen Long, New Territories (Lot No. 3971 RP (Part) in D.D. 124)

(Planning Application No. Y/YL-TYST/11)

Refer to the departmental comments on 3 July 2025, we now FINAL respond to the comments of Point (i) , Point (ii) and Point (iii).

Comment of Point (i) :

We refer to the comment from Mainland North, Drainage Services Department.
(Please see the attachment A)

Comment of Point (ii) :

We refer to the comment from Environmental Department.
Planning Statement section 6.2(d)revised,6.2(e) added and 6.3.2 revised, portable toilet instruction manual attached. (Please see the attachment B)

Comment of Point (iii) :

We refer to the comment from Urban Design and Landscape,Planning Department
(Please see the attachment C)

Thank you for your kind attention.



Yat Tak Kwun Management Co. Ltd.

Drainage Proposal for Yat Tak Kwun at No. 45 Tan Kwai Tsuen, Hung Shui Kiu, Yuen Long, New Territories in D.D. No. 124 Lot 3971 R.P. for Town Planning Application No. TPB/A/YL-TYST/11

A. Background TPB/A/YL- TYST/11

Based on the drawings in the Town Planning Application A/YL-TYST/11 the application involves total site area of 1397 m², and under the decision of the Town Planning Board, this drainage proposal is to be prepared in accordance with the comment from Chief Engineer/Mainland North, Drainage Services Department

B. General Description of the Site

The subject site locates in Tan Kwai Tsuen abutting a footpath and a cycle track at the west. Total width of this footpath and a cycle track is over 6m. The other side of the cycle track is a 23m wide nullah separating the Tan Kwai village from Wo Ping Lane Road. The site, via a footbridge over the 23m wide nullah, is about 37m from the Wo Ping Lan San Tsuen Lane Road. Via the footpath and towards the north, the site is about 160 metre from the Castle Peak Road where a MTRC light rail station and the bus stops of several routes are located.


The total area of the site is 1397 m² and except 12 m of the boundary at the Southern side, the site is enclosed by solid wall of height 1.8m. At the back of the eastern side boundary wall there is an adjoining residential block separated by a footpath and a cover channel. The subject site is in general with ground level higher than the adjoining area by minimum 300mm. The attached location plan, extract of DSD record plan and record photographs include in Appendix A refer.

C. Description of The Proposal

Description of the Existing Drainage System and Environment

The lot is under New Grant No. 238 and is subject to the General Conditions and Special Conditions of Government Notification No. 364 of 1934 (G.N. 364) as amended by Government Notification No. 50 of 1940 and Additional Special Conditions. From Paragraph B and the nature of the lot, the drainage of the site may classified as Village Drainage Nature, and a 10-years storm event may be adopted in assessing the capacity of the required u-channel and drainage pipes.

The site will be effectively enclosed with solid wall upon the construction of the outstanding 12m long solid fence wall and also the site is of level higher than the surrounding area, only the surface run-off in the site will be considered in the drainage proposal.


Wong Him Sun, Authorized Person
Registered Structural Engineer

Existing Storm Water Drain inside the site boundary

The existing drainage system is composed of 6 numbers 750mm wide x 750mm long manholes with depth varies from 400mm to 1100mm. Connecting these manholes are PVC pipes with diameter varies from 300mm to 100mm. Despite the system is primitive and non-standard, the system had been operated and functioned over last 15 years without any adverse flooding report.

Connecting the terminal manhole to the adjoining DSD manhole SMH038647, a manhole about 5.5m from the fence wall, is a 300mm diameter WSD PVC pipes. Storm water from this DSD manhole SMH1038647 will be discharged via a 900mm diameter pipe into the 27m wide nullah about 25m away.

The existing drainage plan, extract of DSD record plan and record photographs include in **Appendix B** refer.

Drainage Proposal

The surface run-off of the site and its adjoining area shall be assessed Based on the topographic survey and hence distinguishing the surface run off regime, a drainage layout plan is proposed as shown in Appendix C. In this proposal the surface run-off shall flow directly along the pavement surface and discharged into those 150mm wide, 225 mm wide and 300 mm wide perimeter U-Channel and then directed into the modified drainage system. This 900 mm non-DSD U-channel shall direct the collected flow into the said nullah.

The capacity of the surface drains were checked and found to be adequate to divert the surface water of the area to the adjacent nullah and culvert. Design calculation attached in Appendix C refers.

D. Design of the Drainage System

The proposal is prepared in accordance with the followings:

1. Code of Practice

- a. Stormwater Drainage Manual by DSD
- b. DSD standard drawing for sand trap shall be adopted

2. Material

- a. All catch pits/ sand trap will be Grade 30/20 concrete
- b. All U-channel if required will be Grade 30/20 concrete

3. Design assumption

A. Storm water Drain

- i. 1 in 10 years return is adopted for the design of the U-channel
- ii. 1 in 10 years return is adopted for the design of the drain between the terminal

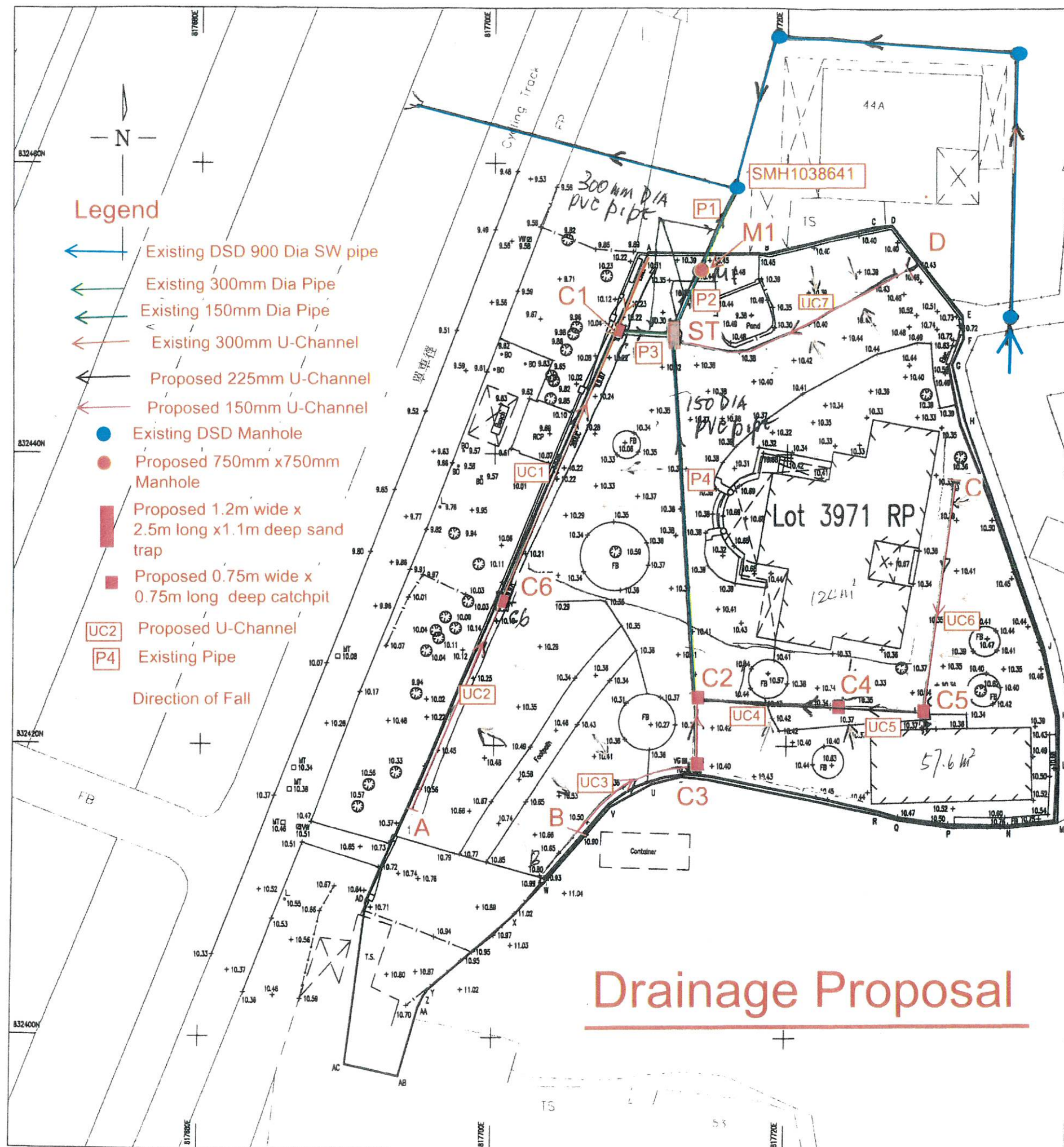
- catch pit and the discharge points at the existing public catchpit
- iii. Manning's equation is adopted
 - iv. Rational Method is adopted in the assessing of the surface run off
 - v. Run off coefficient is adopted to be 0.95 where the area is paved with concrete or tiles, and 0.13--- where the area is covered up with grass or vegetation.
 - vi. Intensity-Duration-Frequency relationship is adopted in estimating the mean rainfall intensity.

B. Sand trap design

Design capacity of the sand traps is assumed to be able to provide 1 minute detention time for the water collected. Owing to the low silt content, this assumption shall be deemed to be adequate to screen off the surface water collected over the paved pavement. Detail design of the sand trap shall be referred to the Drainage Proposal included in Appendix A except that the detention time is to be 1 minute.

Drawings

Drainage Layout Plan
&
Extract of Standard Drawings



Legend

- Existing DSD 900 Dia SW pipe
- Existing 300mm Dia Pipe
- Existing 150mm Dia Pipe
- Existing 300mm U-Channel
- Proposed 225mm U-Channel
- Proposed 150mm U-Channel
- Existing DSD Manhole
- Proposed 750mm x750mm Manhole
- Proposed 1.2m wide x 2.5m long x1.1m deep sand trap
- Proposed 0.75m wide x 0.75m long deep catchpit
- Proposed U-Channel
- Existing Pipe
- Direction of Fall

Drainage Proposal

Manhole and Catchpit Schedule

Number	Nature	Cover Level (PD)	Invert Level (PD)	Width (mm)	Length (mm)
SMH1035641	DSD M/H	9.79	6.96	750	750
M1	Existing M/H	10.44	9.34	750	750
ST	Proposed Sand Trap	10.33	9.26	1200	3250
C1	Proposed Catchpit	10.22	9.72	750	750
C2	Proposed Catchpit	10.37	9.72	750	750
C3	Proposed Catchpit	10.38	10.1	750	750
C4	Proposed Catchpit	10.34	9.9	750	750
C5	Proposed Catchpit	10.34	9.95	750	750
C6	Proposed Catchpit	10.20	9.82	750	750

U-Channel Schedule

U-Channel number	size (mm)	point	From Cover Lev +mPD	Inver Level +mPD	To point	Cover Lev +mPD	Inver Level +mPD	Length m	Gradient
UC1 (existing)	300	C6	10.22	9.92	C1	10.22	9.82	20.0	0.005
UC2	150	A	10.34	10.14	C6	10.22	9.92	18.7	0.011765
UC3	225	B	10.5	10.30	C3	10.38	10.22	8.0	0.01
UC4	225	C4	10.34	10.01	C2	10.37	9.95	8.5	0.007059
UC5	225	C5	10.34	10.05	C4	10.34	10.01	5.8	0.006897
UC6	150	C	10.33	10.15	C5	10.34	10.05	15.5	0.006452
UC7	150	D	10.42	10.20	ST	10.33	10.10	16.8	0.005952
UC8	150	C3	10.38	10.15	C2	10.37	10.10	4.2	0.011905
existing pipe	Dia (mm)								
P1	300	M1	10.44	9.34	SMH1035641	9.79	8.50	5.5	
P2	300	ST	10.33	9.36	M1	10.44	9.34	3.5	
P3	300	C1	10.22	9.82	ST	10.33	9.80	3.6	
P4	150	C2	10.37	9.82	ST	10.33	9.70	24.3	

Note: Sand Trap are designated as ST
Catchpit is designated as C1, etc
Proposed U-Channel as UC1, etc
existing pipe as P1

第九座
Block 9

Boundary Data:-

Point	Bearing	Distance	Northing	Easting
A			832453.881	817710.528
B	90 29 50	8.115	832453.811	817718.642
C	75 59 10	7.811	832455.654	817726.027
D	83 34 50	1.208	832455.789	817727.227
E	141 54 00	7.810	832449.643	817732.046
F	177 48 20	1.820	832448.024	817732.108
G	202 50 10	1.912	832446.262	817731.367
H	187 35 20	4.011	832442.345	817732.229
I	180 50 40	16.439	832428.816	817737.623
J	187 32 30	4.858	832422.072	817738.671
K	179 50 20	3.184	832418.888	817738.680
L	180 58 10	4.074	832414.815	817738.611
M	264 02 40	3.334	832414.489	817735.295
N	269 53 00	3.921	832414.461	817731.374
O	277 42 10	3.833	832414.948	817727.774
P	285 13 00	1.554	832415.358	817726.274
Q	281 25 20	11.888	832417.706	817714.643
R	278 19 10	1.790	832417.903	817712.864
S	255 45 50	2.078	832417.392	817710.850
T	240 58 50	3.208	832415.836	817708.045
U	220 42 50	7.040	832410.500	817703.453
V	223 17 10	3.028	832408.296	817701.377
W	228 50 30	7.829	832403.275	817695.633
X	213 58 20	0.817	832402.763	817695.288
Y	204 31 30	0.829	832402.009	817694.944
Z	195 21 20	4.864	832397.319	817693.656
AA	282 30 00	3.715	832388.123	817690.029
AB	6 45 50	11.298	832409.342	817691.360
AC	23 17 10	48.488	832453.881	817710.528

Boundary Data Refer to SRP/M/047/8355/124/3971RP-0

Drawing Title

Drainage proposal for
Lot 3971 RP in D.D.124
45 Tan Kwai Tsuen, Hung Shui Kiu

Drawing No.

HPL3507/TS/01

Scale

1:200(A2)

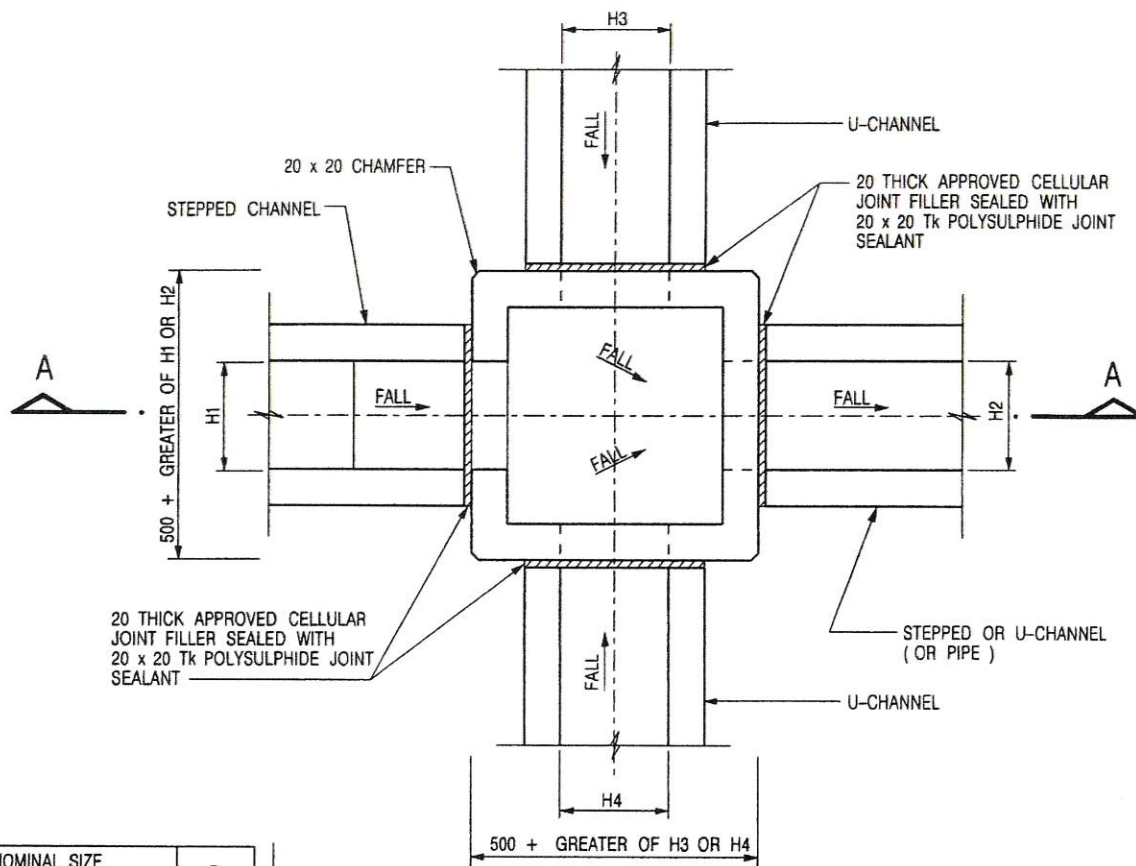
Helen Chan Professional Land Survey Ltd.

陳婉琪測量師行有限公司

2/F, No.36 Lung Sum Avenue, Sheung Shui, N.T., Hong Kong

Tel: 26395466 Fax: 26734966

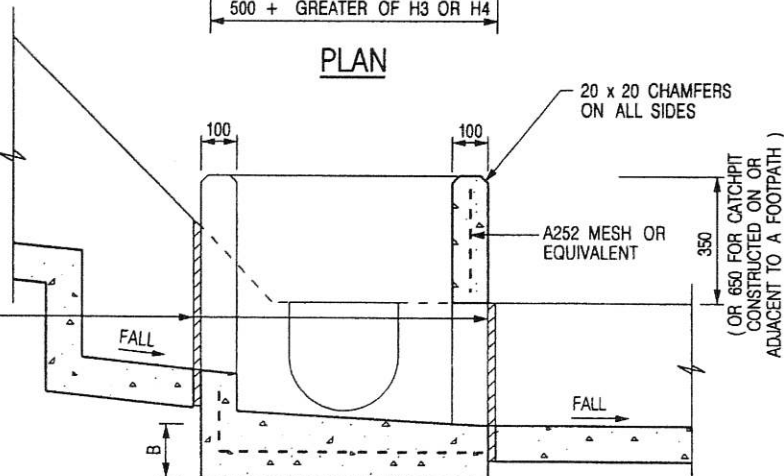
e-mail: hcpls@netvigator.com



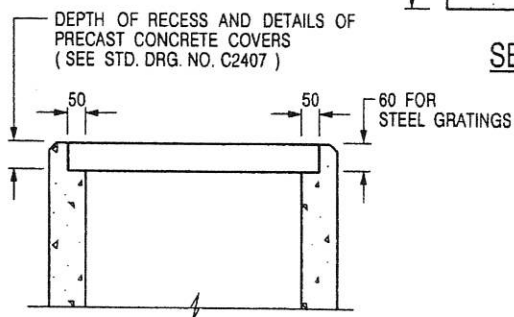
PLAN

NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
300 - 600	150
675 - 900	175

20 THICK APPROVED CELLULAR JOINT FILLER SEALED WITH 20 x 20 Tk POLYSULPHIDE JOINT SEALANT



SECTION A - A




NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFER TO SHEET 5 FOR OTHER NOTES.

ALTERNATIVE TOP SECTION FOR
PRECAST CONCRETE COVERS / GRATINGS

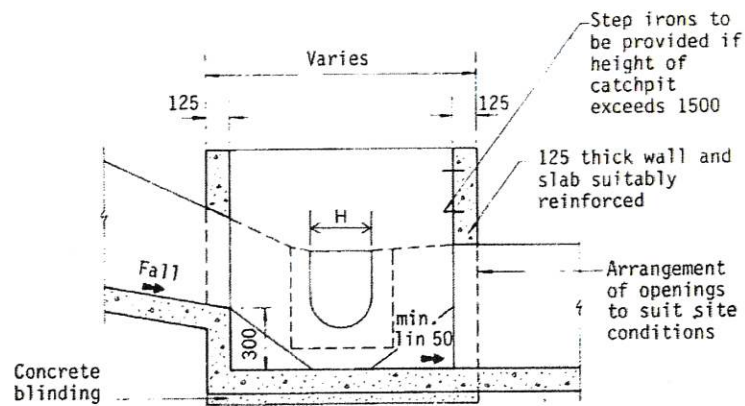
STANDARD CATCHPIT DETAILS
(SHEET 1 OF 5)

卓越工程 建設香港

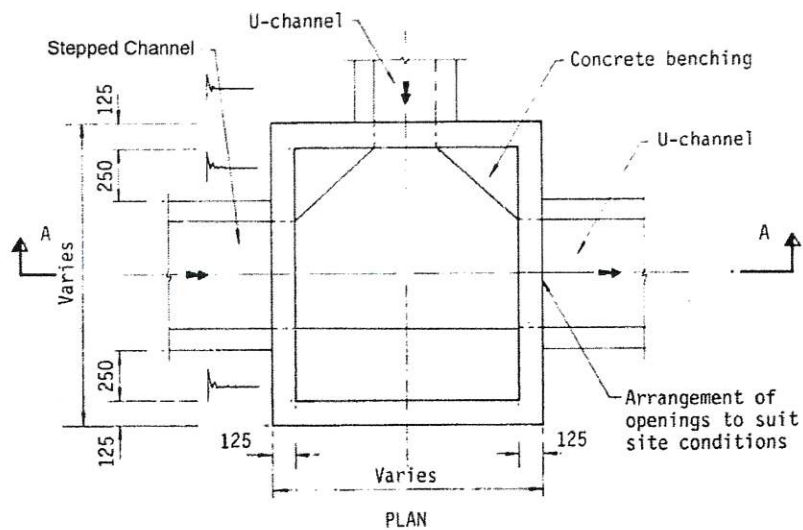
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REF.	REVISION	SIGNATURE	DATE
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SCALE 1 : 20		DRAWING NO.	
DATE JAN 1991		C2405 /1	

We Engineer Hong Kong's Development

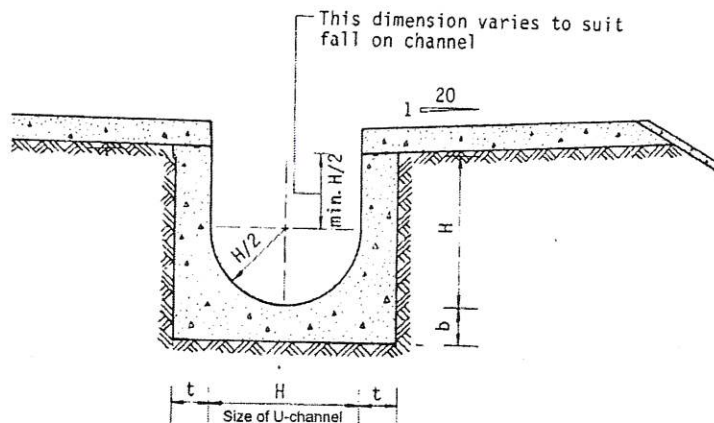
Appendix A



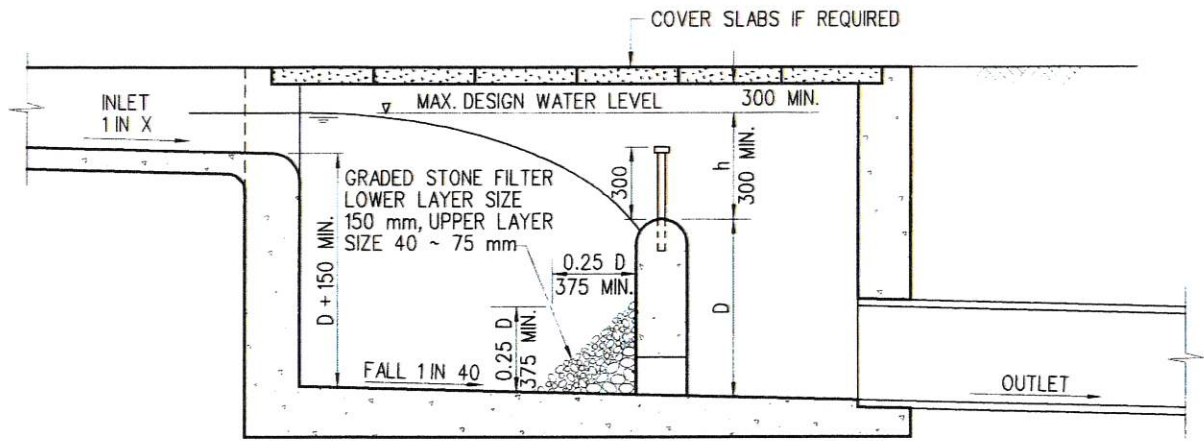
SECTION A-A



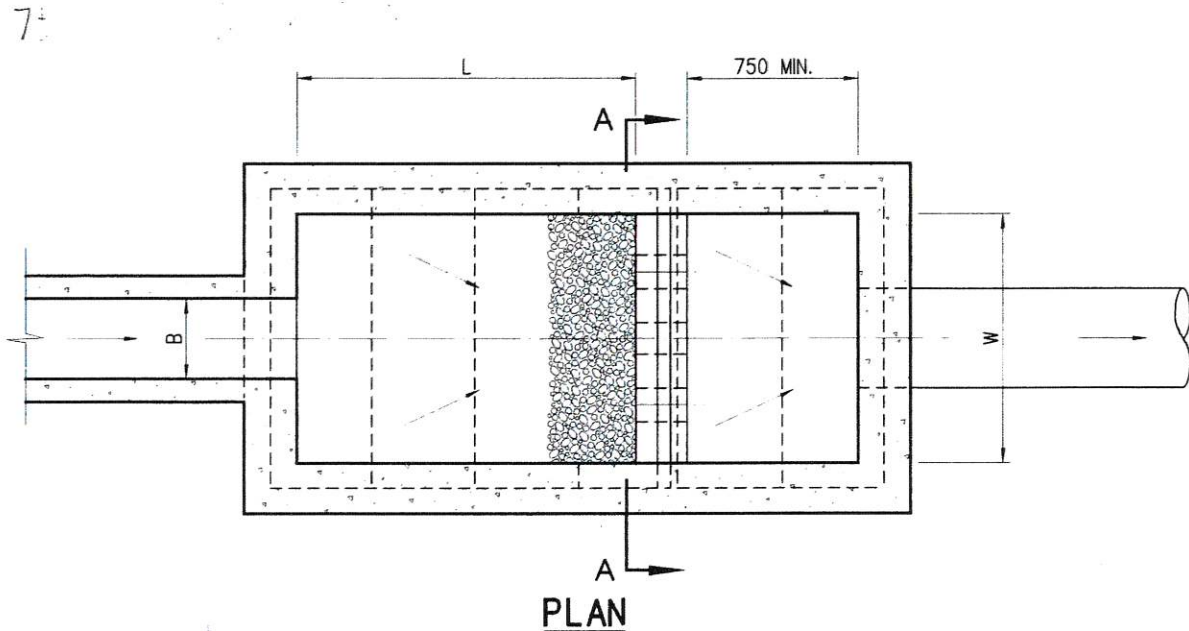
TYPICAL DETAILS OF CATCHPIT



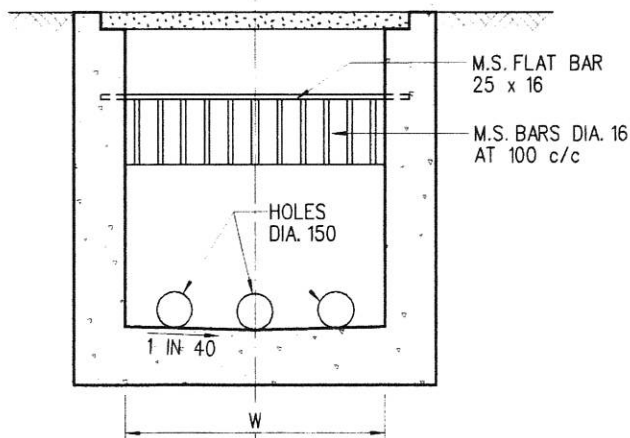
TYPICAL DETAILS OF U-CHANNEL



LONGITUDINAL SECTION



PLAN



SECTION A-A

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. NORMALLY FOR DRAINS OF 900 mm DIA. AND BELOW. FOR BIGGER DRAINS AND STEEP TERRAIN, SAND TRAP SHOULD BE SPECIALLY DESIGNED.
3. **SIZE**
 DEPTH : $D \leq 750$
 WIDTH : $W \geq 3B$
 LENGTH : $4.8D^{0.87} h^{0.5} \times 0.5 \geq 4B$
4. GRADED STONE FILTER SHALL BE CRUSHER RUN GRANITE AGGREGATE.
5. **CAPACITY** D W L TO BE ACCORDING TO SIZE AND NATURE OF CATCHMENT, PROVIDING DETENTION TIME NOT LESS THAN 5 MINUTES FOR MAX. DESIGN FLOW OF INLET.

B	REDRAWN BY CAD	ORIGINAL SIGNED	8.8.2001
A	GENERAL REVIEW	ORIGINAL SIGNED	2.2.2001
REV.	DESCRIPTION	SIGNATURE	DATE

DRAINAGE SERVICES DEPARTMENT

SAND TRAP

REFERENCE

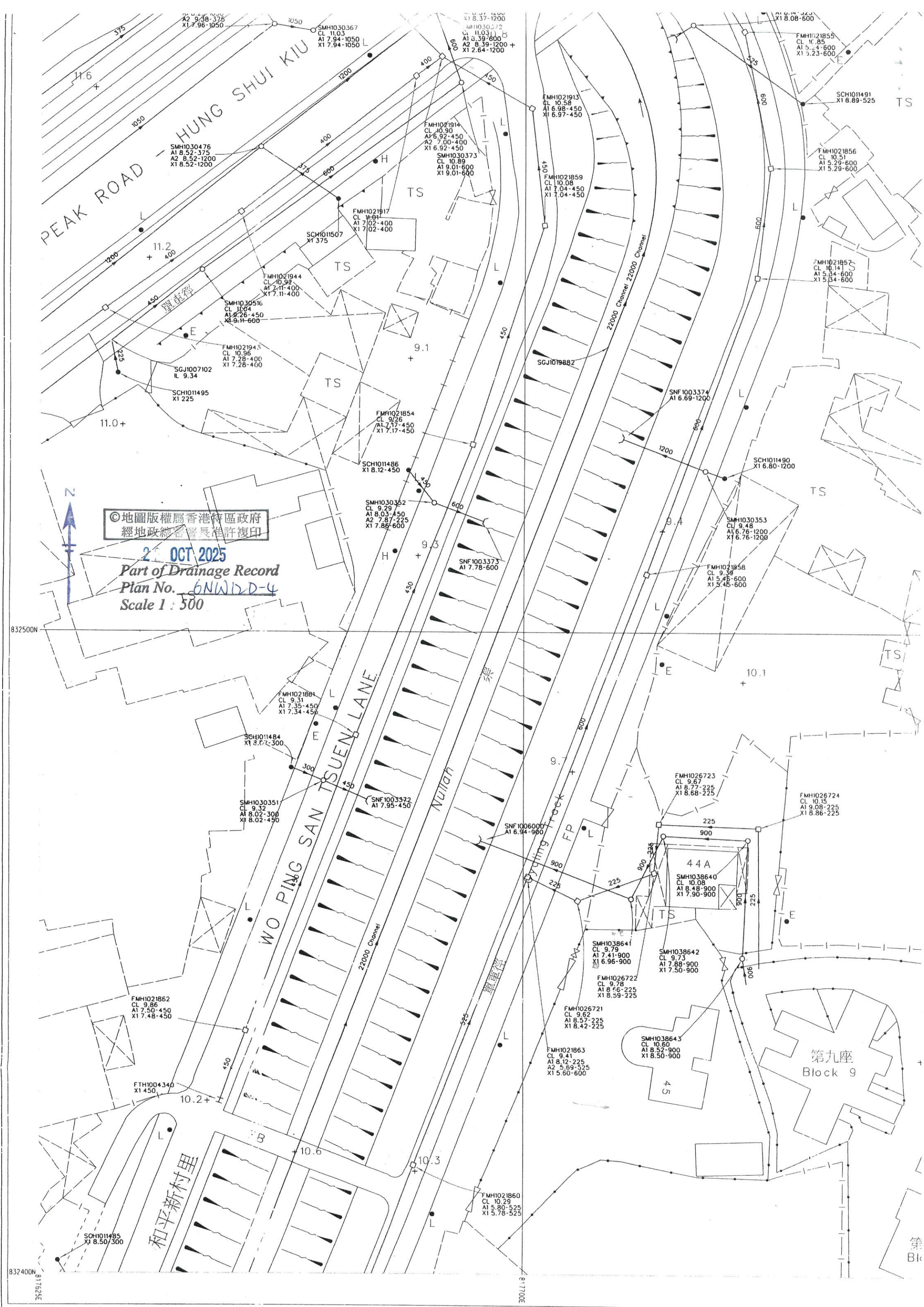
DRAWING No.

SCALE

DIAGRAMMATIC

DS 1025B

Appendix A



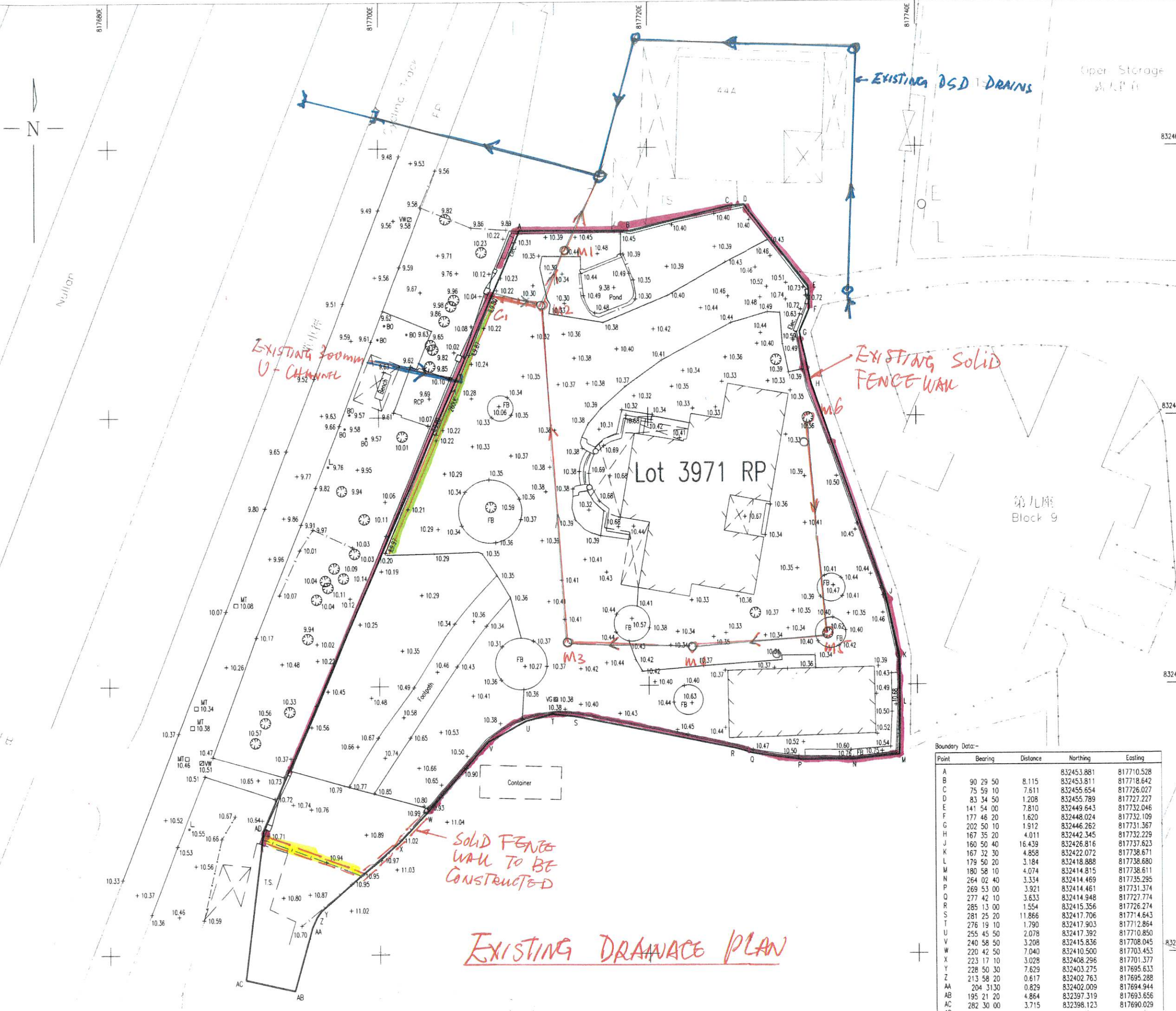






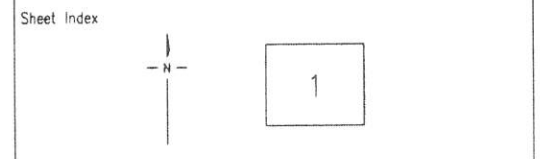


Appendix B



- Notes
1. Hong Kong Geodetic Datum 1980
 2. All levels refer to Principal Datum Hong Kong
 3. All units are in Metres
 4. All spot level positions are indicated by the decimal point or a cross.
- Abbreviations
- | | | | |
|-----|----------------------|-----|-------------------------|
| BB | SIGN BOARD | ME | MANHOLE (ELECTRIC) |
| BD | BOULDER | MF | MANHOLE (FOUL WATER) |
| BH | BORE HOLE | MH | MANHOLE |
| BO | BOLLARD | MP | METER POST |
| CB | CONCRETE BLOCK | MS | MANHOLE (STORM WATER) |
| CL | COVER LEVEL | MT | MANHOLE (TELEPHONE) |
| CO | COLUMN | RCP | REFUSE COLLECTION POINT |
| CP | CATCHPIT | SC | STEP CHANNEL |
| CUL | CULVERT | SHR | SHRINE |
| DP | DRAW PIT | SP | SIGN POLE |
| EB | ELECTRIC BOX | ST | STOOL |
| EP | ELECTRICITY POST | TC | TELEPHONE CHAMBER |
| ESS | ELECTRIC SUB-STATION | TL | TRAFFIC LIGHT |
| ET | ELECTRIC TRANSFORMER | TP | TELEPHONE POLE |
| FB | FLOWER BED | TS | TEMPORARY STRUCTURE |
| FH | FIRE HYDRANT | TV | MANHOLE (CABLE TV CO) |
| FIG | FEEDS INTO GROUND | UC | U CHANNEL |
| FP | FOOTPATH | V | VALVE |
| GA | GRATING | VF | VALVE FIRE |
| GU | GULLY | VG | VALVE GAS |
| IC | INSPECTION COVER | VT | VENT |
| IL | INVERT LEVEL | VW | VALVE-WATER WORKS |
| LB | LETTER BOX | WT | WATER TANK |
| L | LAMP POST | WP | WATER POINT |

- Symbols
- | | | | |
|--|--------------------|--|----------------------------|
| | ARTIFICIAL SLOPE | | SLOPE TOP / BOTTOM |
| | BOUNDARY LINE | | LANDSLIDE SCAR |
| | BOUNDARY POINT | | SEPTIC TANK |
| | BOULDER | | STEPS |
| | CANOPY | | TREE |
| | CONTOUR (5m) | | U-CHANNEL WITH FLOW & SIZE |
| | CONTOUR (1m) | | VERTICAL CUTTING |
| | DRAIN | | |
| | FENCE/RAILING | | |
| | FREE STANDING WALL | | |
| | GATE | | |
| | HOARDING | | |



Approved

Helen Chan
ALS, MHKIS, MRICS, R.P.S.(LS)
Date: November 7, 2025

Client

Yat Tak Kwun Management Limited

Drawing Title

Topographic Survey of
Lot 3971 RP in D.D.124
45 Tan Kwai Tsuen, Hung Shui Kiu

Drawing No.

HPL3507/TS/01

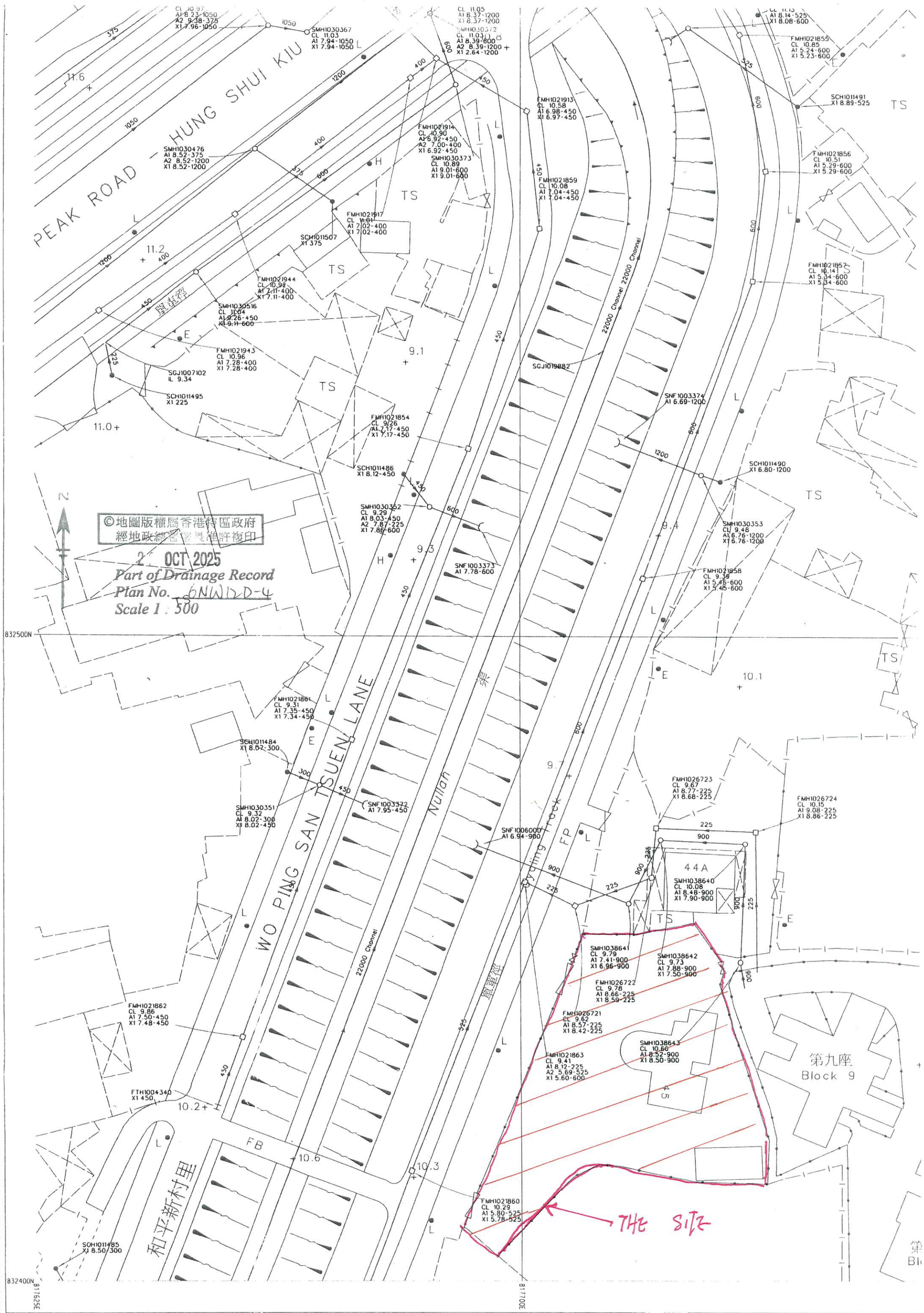
Scale

1:200(A2)

Helen Chan Professional Land Survey Ltd.
陸城測量有限公司

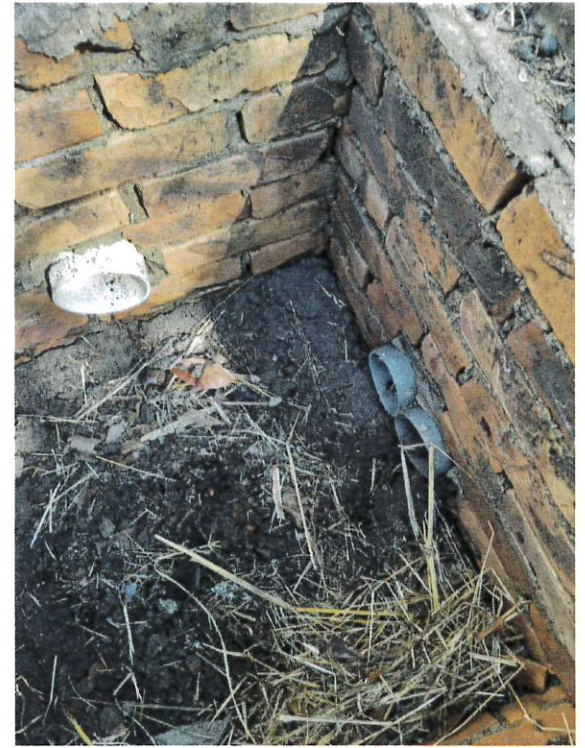
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G	202 50 10	1.912	832446.262	817731.367
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U	255 45 50	2.078	832417.392	817710.850
V	240 58 50	3.208	832415.836	817708.045
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Y	228 50 30	7.629	832403.275	817695.633
Z	213 58 20	0.617	832402.763	817695.288
AA	204 31 30	0.829	832402.009	817694.944
AB	195 21 20	4.864	832397.319	817693.656
AC	282 30 00	3.715	832398.123	817690.029



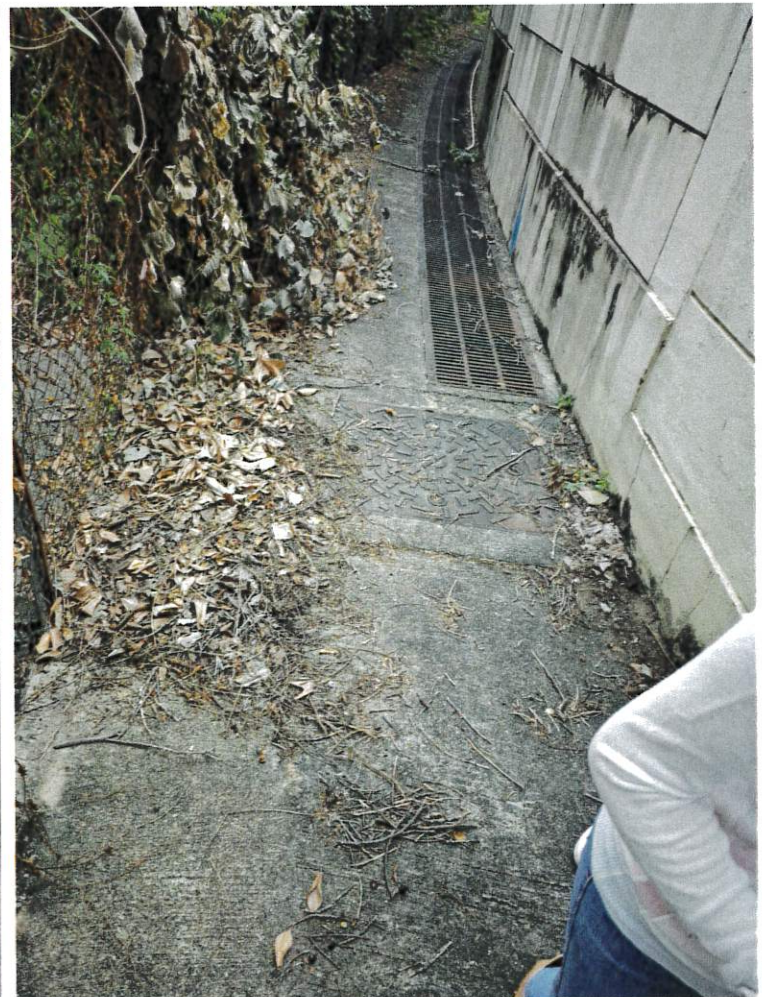
















Appendix C

Design Calculation

Summary of Runoff Evaluation at lot 3971 RP in D.D.124

Assessment of surface run off					
Zone	Area (sq m)	C	duration min	i mm/hr	Qp m ³ / s
A	140	0.13	1	280	0.00142
B	150	0.13	1	280	0.00152
C	95	0.95	1	280	0.00703
D	170	0.95	1	280	0.01257
E	120	0.13	1	280	0.00121
F	180	0.13	1	280	0.00182
G	240	0.13	1	280	0.00243
H	295	0.95	1	280	0.02181
	1390				0.04981

Note: $Q_p = \text{area} \times C \times I \times 0.278/1000000$

Run off coefficient at concrete, tiles etc= 0.95
Run off coefficient at flat grassland etc= 0.13

Assessment of Flow at different sections

Section	from	to	cover area	Q (m ³)	drains adopted		capacity		
A- C6	A	C6	F	0.00182	150mm U-channel	<	0.0152	m ³	OK
C6-C1	C6	C1	F& H	0.02363	300mm U-channel	<	0.09671	m ³	OK
C1-ST	C1	ST	F& H	0.02363	300 dia PVC pipe	<	0.6221	m ³	OK
B-C3	B	C3	E	0.00121	150mm U-channel	<	0.0152	m ³	OK
C3-C2			E	0.00121	150mm U-channel	<	0.0152	m ³	OK
C-C5	C	C5	A	0.00142	150mm U-channel	<	0.0152	m ³	OK
C5-C4	C5	C4	A & C	0.00845	150mm U-channel	<	0.0152	m ³	OK
C4-C2	C4	C2	A,B,C &D	0.02253	225mm U-channel	<	0.0449088	m ³	OK
C2-ST	C2	ST	A,B,C,D &E	0.02374	150 dia PVC pipe	<	0.1108	m ³	OK
D-ST	D	ST	G	0.00243	150mm U-channel	<	0.0152	m ³	OK
ST-M1	ST	M1	ALL	0.0498	300 dia PVC pipe	<	0.6221	m ³	OK
M1-SMH1038641	M1	SMH1038641	ALL	0.0498	300 dia PVC pipe	<	0.6221	m ³	OK

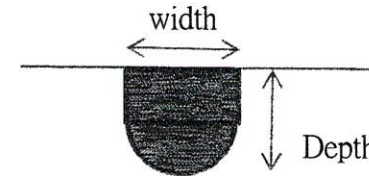
Note: $Q_p = \text{area} \times C \times I \times 0.278/1000000$
 $R = \text{area of crosssection of channel/ Perimeter}$
 $\text{Vel} = R^{1/6} \times \sqrt{(R \times Sf) / n}$ (Manning's Formula)
Capacity of pipe = Vel x section area of U-Channel

Checking of capacity of existing & proposed U-Channel related with the site

Gradient for drain= 1 in 200

section	R	sf	n	vel	Area	Qp
150 U-channel	0.052075	0.005	0.013	0.758511	0.02008125	0.0152319
225 U-channel	0.078113	0.005	0.013	0.993935	0.0451828	0.0449088
300 U-channel	0.10415	0.005	0.013	1.204061	0.080325	0.0967162

Channel information				
width	deep	Area	Perimeter	R
m	m	m^2	m	m
0.15	0.15	0.02008125	0.38562	0.052075
0.225	0.225	0.045182813	0.57843	0.078113
0.3	0.3	0.080325	0.77124	0.10415



Design of capacity of Pipe flow by Colebrook-White's equation

300mm dia PVC pipe

Ks, roughness value= 0.003 mm (Table 14 in Stormwater Drainage Manual)

Ks 0.000003 m

R, hydraulic Radius (A/P) = 0.15 m

Sf, friction gradient = 0.005

v, kinematic viscosity = 9.048E-07 m^2/s at 25°C

A = $\sqrt{(32 * g * R * Sf)}$ = 0.4852216

B = $\log[Ks/(14.8*R) + 1.25*v/(R*A)]$ = -4.536811927

V = -A*B 2.20135914 m/s

Flow =V * area= 0.62210409 cu m

Design of capacity of Pipe flow by Colebrook-White's equation

150mm dia PVC pipe

Ks, roughness value= 0.003 mm (Table 14 in Stormwater Drainage Manual)

Ks 0.000003 m

R, hydraulic Radius (A/P) = 0.075 m

Sf, friction gradient = 0.006 (= 0.15/24.6)

ν , kinematic viscosity = $9.048 \times 10^{-7} \text{ m}^2/\text{s}$ at 25°C

A = $\sqrt{(32 * g * R * Sf)} = 0.37585103$

B = $\log[Ks/(14.8*R) + 1.25*\nu/(R*A)] = -4.172958472$

V = -A*B 1.56841076 m/s

Flow = V * area = 0.11080822 cu m

Design of sand trap

use 3.25m long x 750mm wide x 1.1m deep sand trap

2.5 m

h= 1.1 m

X= 200

B= 1.2 m

total volume retained = $2.5 \times 1.2 \times 1.1 + 1.2 \times 0.10 \times 0.75$ $2.99 \text{ m}^3 > 60 \times 0.049 = 2.988 \text{ m}^3$

U-Channel Schedule

U-Channel number	size(mm)	From			To			Length m	Gradient
		point	Cover Lev +mPD	Inver Level +mPD	point	Cover Lev +mPD	Inver Level +mPD		
UC1(existing)	300	C6	10.22	9.92	C1	10.22	9.82	20.0	0.005
UC2	150	A	10.34	10.14	C6	10.22	9.92	18.7	0.011765
UC3	225	B	10.5	10.30	C3	10.38	10.22	8.0	0.01
UC4	225	C4	10.34	10.01	C2	10.37	9.95	8.5	0.007059
UC5	225	C5	10.34	10.05	C4	10.34	10.01	5.8	0.006897
UC6	150	C	10.33	10.15	C5	10.34	10.05	15.5	0.006452
UC7	150	D	10.42	10.20	ST	10.33	10.10	16.8	0.005952
UC8	150	C3	10.38	10.15	C2	10.37	10.10	4.2	0.011905
existing pipe	Dia (mm)								
P1	300	M1	10.44	9.34	SMH1035641	9.79	8.50	5.5	
P2	300	ST	10.33	9.36	M1	10.44	9.34	3.5	
P3	300	C1	10.22	9.82	ST	10.33	9.80	3.6	
P4	150	C2	10.37	9.82	ST	10.33	9.70	24.3	

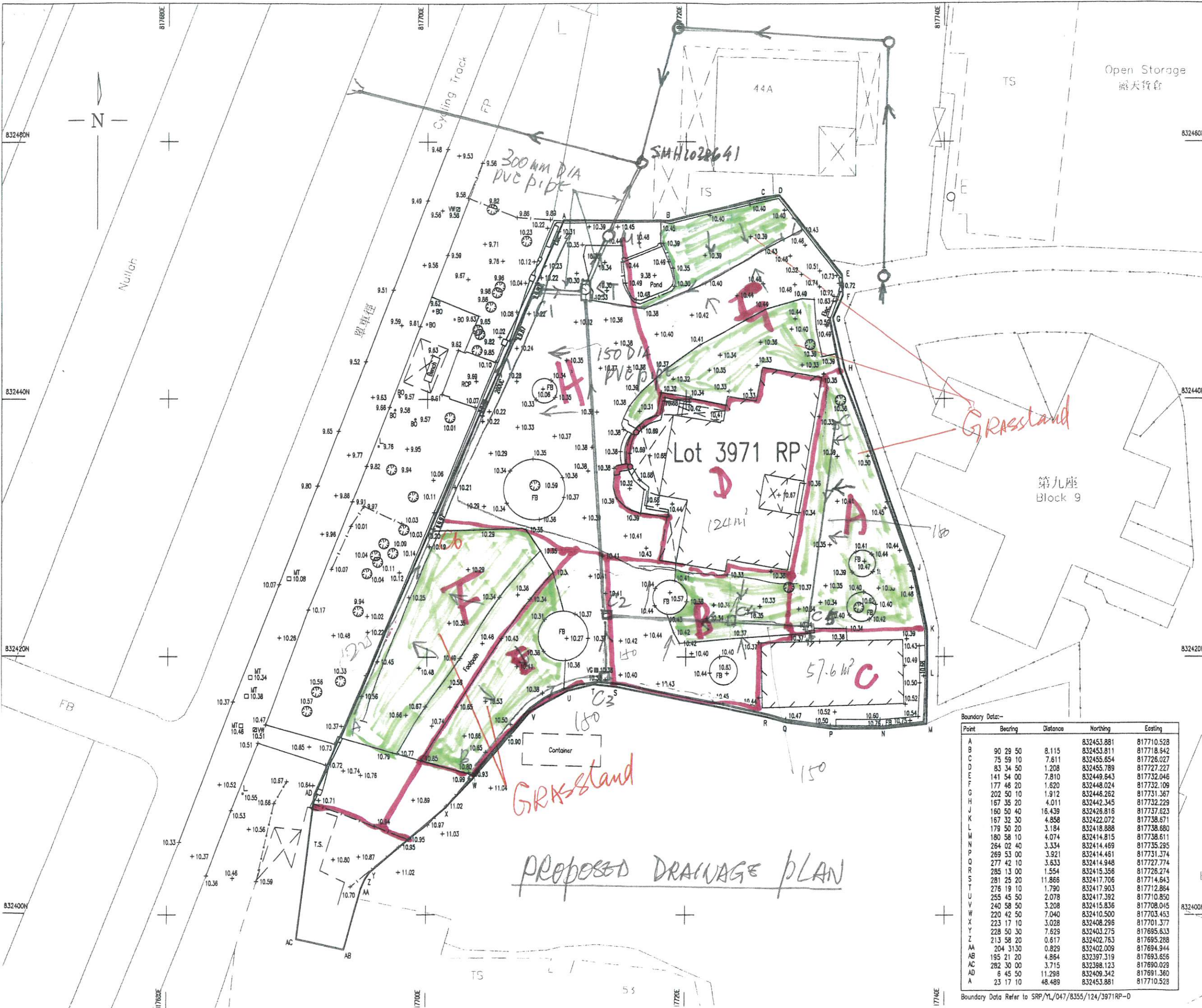
Note:

- Sand Trap are designated as ST
- Catchpit is designated as C1,,,etc
- Proposed U-Channel as UC1,···etc
- existing pipe as P1

Manhole and Catchpit Schedule

Number	Nature	Cover Level (PD)	Invert Level(PD)	Width(mm)	Length(mm)
SMH1035641	DSD M/H	9.79	6.96		
M1	Existing M/H	10.44	9.34	750	750
ST	Proposed Sand Trap	10.33	9.26	1200	3250
C1	Proposed Catchpit	10.22	9.72	750	750
C2	Proposed Catchpit	10.37	9.72	750	750
C3	Proposed Catchpit	10.38	10.1	750	750
C4	Proposed Catchpit	10.34	9.9	750	750
C5	Proposed Catchpit	10.34	9.95	750	750
C6	Proposed Catchpit	10.20	9.82	750	750

SCALE 1:243



Notes

1. Hong Kong Geodetic Datum 1980
2. All levels refer to Principal Datum Hong Kong
3. All units are in Metres
4. All spot level positions are indicated by the decimal point or a cross.

Abbreviations

BB	SIGN BOARD	ME	MANHOLE (ELECTRIC)
BD	BOULDER	MF	MANHOLE (FOUL WATER)
BH	BORE HOLE	MH	MANHOLE
BO	BOLLARD	MP	METER POST
CB	CONCRETE BLOCK	MS	MANHOLE (STORM WATER)
CL	COVER LEVEL	MT	MANHOLE (TELEPHONE)
CO	COLUMN	RCP	REFUSE COLLECTION POINT
CP	CATCHPIT	SC	STEP CHANNEL
CUL	CULVERT	SHR	SHRINE
DP	DRAW PIT	SP	SIGN POLE
EB	ELECTRIC BOX	ST	STOOL
EP	ELECTRICITY POST	TC	TELEPHONE CHAMBER
ESS	ELECTRIC SUB-STATION	TL	TRAFFIC LIGHT
ET	ELECTRIC TRANSFORMER	TP	TELEPHONE POLE
FB	FLOWER BED	TS	TEMPORARY STRUCTURE
FH	FIRE HYDRANT	TV	MANHOLE (CABLE TV CO)
FG	FEEDS INTO GROUND	UC	U CHANNEL
FP	FOOTPATH	V	VALVE
GA	GRATING	VF	VALVE FIRE
GU	GULLY	VG	VALVE GAS
IC	INSPECTION COVER	VT	VENT
IL	INVERT LEVEL	VW	VALVE-WATER WORKS
LB	LETTER BOX	WT	WATER TANK
L	LAMP POST	WP	WATER POINT

Symbols

ARTIFICIAL SLOPE	SLOPE TOP / BOTTOM
BOUNDARY LINE	LANDSLIDE SCAR
BOUNDARY POINT	SEPTIC TANK
BOULDER	STEPS
CANOPY	TREE
CONTOUR (5m)	U-CHANNEL WITH FLOW & SIZE
CONTOUR (1m)	VERTICAL CUTTING
DRAIN	
FENCE/RAILING	
FREE STANDING WALL	
GATE	
HOARDING	

Sheet Index

Approved

Helen Chan
ALS, MHKIS, MRICS, R.P.S.(LS)
Date: November 7, 2025

Client

Yat Tak Kwun Management Limited

Drawing Title

Topographic Survey of
Lot 3971 RP in D.D.124
45 Tan Kwai Tsuen, Hung Shui Kiu

Drawing No.

HPL3507/TS/01

Scale

1:200(A2)

Helen Chan Professional Land Survey Ltd.
陳婉琪測量師行有限公司
2/F, No.36 Lung Sum Avenue, Sheung Shui, N.T., Hong Kong
Tel: 26395468 Fax: 26734966

Boundary Data Refer to SRP/M/047/8355/124/3971RP-D

6.2 Environmental Considerations

(a) No joss paper furnace

Considering the relative distance with the residential areas, the applicant will not provide joss paper furnace on site. Visitors can only perform memorial activities in an environmentally friendly way and burning of joss paper associated with worship and memorial services will not be allowed at the site.

(b) Air Quality

No substantial Addition & Alteration (A & A) Works shall be carried out. As the proposed columbarium buildings have been renovated, there will not be any large scale construction work involving demolition of existing structure during modification the interior of the existing building for the proposed use.

No kitchen and catering services or vegetarian food will be provided in the development during operation.

The site is currently accessed via a footpath from Tan Kwai Tsuen Road. Vehicular traffic to the site is almost not possible. Thus emission from the vehicles shall be unlikely happen

It is therefore considered that the operation of the columbarium will not cause any significant adverse air quality impact to the potential ASRs at the vicinity.

(c) Noise

As the proposed columbarium was already provided within the existing buildings, no civil and structural alteration works will be required. The proposed toilet in the first floor of Building 1 shall involve A & A works inside the building and noise generated by which is easily controlled.

Noisy religious ceremony will not be allowed in the columbarium operation. No construction noise nuisance and no operative noise nuisance is therefore envisaged at the identified ASRs and in the vicinity.

(d) Waste Management

There shall be no major construction nor A & A works will be undertaken within or outside the existing building. Negligible construction waste is therefore envisaged to be generated or disposed of. The small amount of construction waste will be collected and disposed of at landfills. The measures recommended in the ProPECC PN 2/24 will be implemented during the renovation works to minimize the generation of construction waste.

As no kitchen and food catering services will be provided and no burning of joss paper will be allowed at the proposed columbarium, the potential waste generated during the operation of the columbarium will be limited to general refuse from the visitors. This general refuse will be collected twice a day and disposed of at nearby refuse collection points. Sufficient rubbish bins will be provided within the site.

(e) Water Quality

As there shall be no major construction (which includes any excavation works) nor any A & A works to be carried out in the subject site, and that all the surface run off will be collected and filtered via a terminal desilting sand trap prior to discharging to the adjacent DSD manhole, adverse impact to the water quality is not anticipated

With the implementation of good management practice and control measures to reduce the generation of waste and secondary nuisances (such as water quality), adverse environmental impact due to waste management is not anticipated.

6.3 Sewerage

6.3.1 Toilet Facility installed at the First Floor of Building 1 will be provided for the management of the columbarium only. Additional mobile toilets, however, will be supplement in those Special Days for visitors. Number of managing staff during normal days is about 1-3. Amount of mobile toilets shall be assessed and reviewed from time to time.

6.3.2 The sewage generated from the subject toilet at the First Floor of Building 1 will be collected at the existing traditional septic tank at the vicinity of Building 1 about 50m from the adjacent nullah. The existing septic tank, which had been designed for the

original residences over half a century ago, shall be deemed to be adequate for the management staff. The sewage and waste from those mobile toilets deployed for Special Days will be collected from time to time by registered licensed collectors. The catalogue of the mobile toilets provider is attached in the **Appendix 1** for reference.

6.4 Tree Preservation and Landscape Proposal

(a) Summary of Tree preservation and landscape proposal

This proposal was based on the Tree Preservation and Landscape Proposal (to be submitted after approval of planning statement) prepared by Messrs LanDes, a landscaping consultant in 2013. The 14 numbers of trees existing in 2013, however, was reduced to 4 numbers during several typhoons during the last 13 years. Among them the Typhoon Mangkhut in 2018 was one of the severe one. These remaining trees on site will be preserved. In order to provide quality landscape for the proposed development soft landscape works and new trees will be provided.

(b) Landscape Assessment

A tree survey has been carried out on 13th June 2012. A total of 14 nos. of trees within site boundary were recorded. The dominant tree species is *Euphoria longan*. The remaining trees, i.e. *Araucaria heterophylla*, *Celtis sinensis* and *Plumeria rubra* var. *acutifolia* are also common plantation species in Hong Kong. 4 nos. of tree respectively T03, T04, T04 and T09 as stipulated in the Tree Survey Schedule included in the Proposal was damaged and removed off site during the Typhoon Mangkhut in 2018.

The aim of the landscape proposals is to respond to site conditions, building form and function and to provide a quality landscape scheme. The main factors to be taken into consideration are:

- Response to the site context, both in terms of landscape character and visual amenity.
- Response to the existing buildings and its architectural style.
- Creation of a green setting by maximizing the opportunity for soft landscape.
- Enhancement of the local biodiversity.



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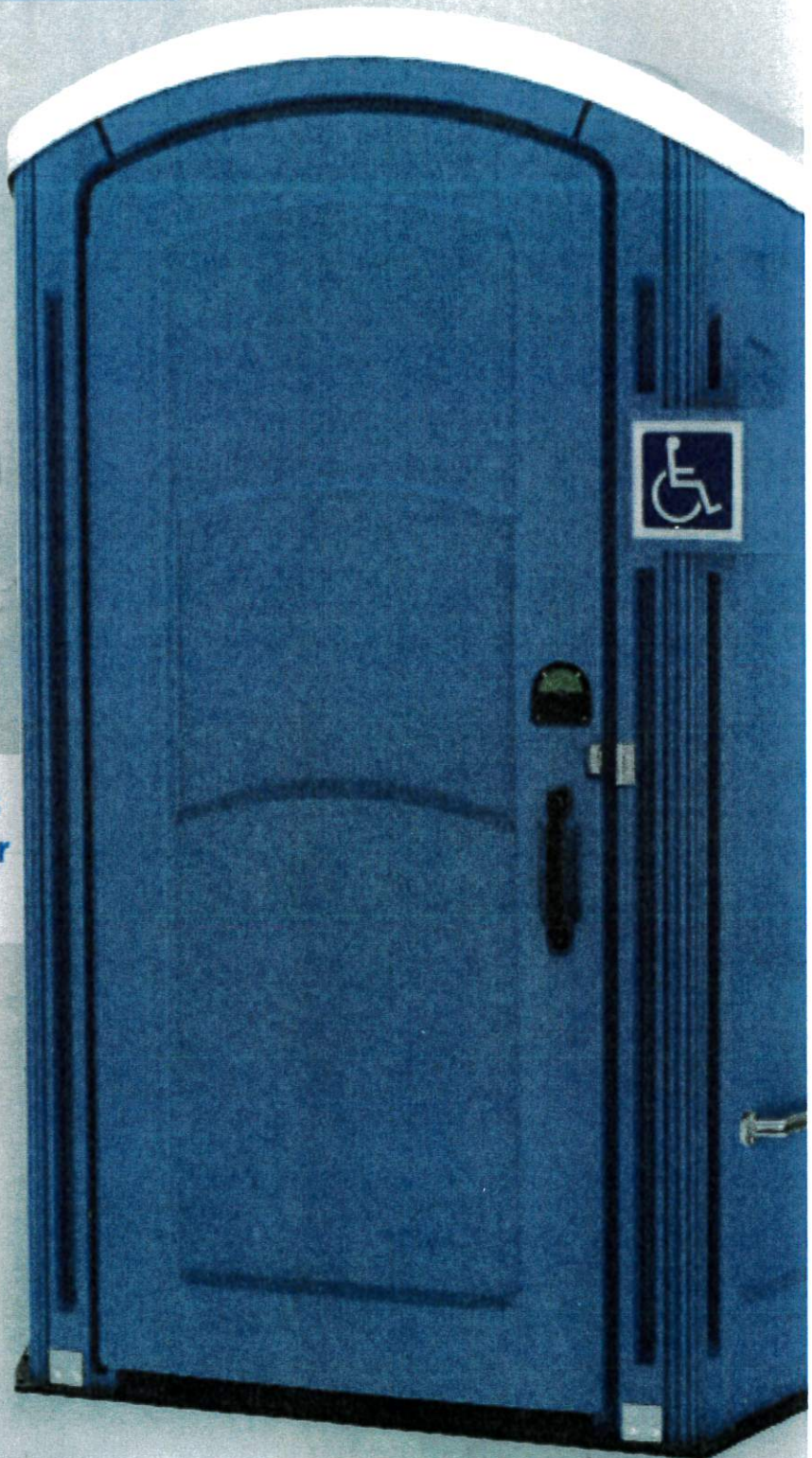
FREEDOM

“For an ADA & Title 24 compliant restroom, look no further than the spacious Freedom.”



Portable restrooms greatly improve our standard of living.

The new Freedom is smaller, lighter, sturdier and less expensive than other models while remaining the only fully ADA and Title 24 compliant restroom on the market. With this many benefits, operators will find the new Freedom easier to handle, maintain and afford.



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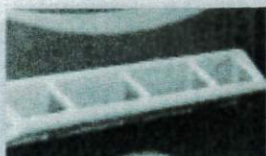
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50 pounds lighter and increased strength.

✓ features



Multiple roof tie-down options when transporting



Heavy-duty plastic handrail system

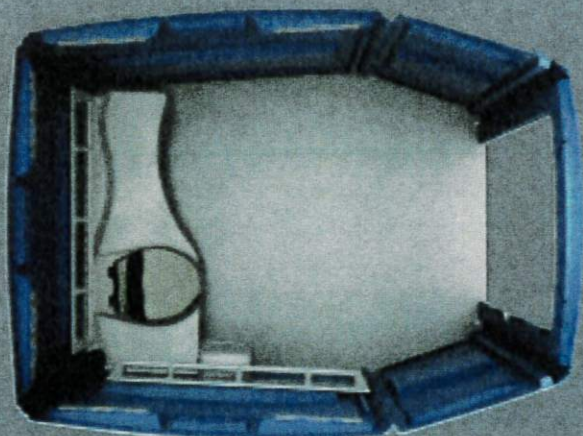
✂ structure



Unique "living hinge" on front corners adds strength and stability



Extended roof fits tightly over side walls for added strength



Standard 68 gallon tank

⚙ specs

Height: 90" (2286mm)

Width: 67" (1702mm)

Depth: 86.5" (2197mm)

Weight (standard tank): 310 lbs. (141 kg.)

Weight (small tank): 299 lbs. (136 kg.)

Seat Height: 18.75" (476mm)

Standard Tank Volume: 68 gal. (257L)

Optional Tank Volume: 35 gal. (132.5L)

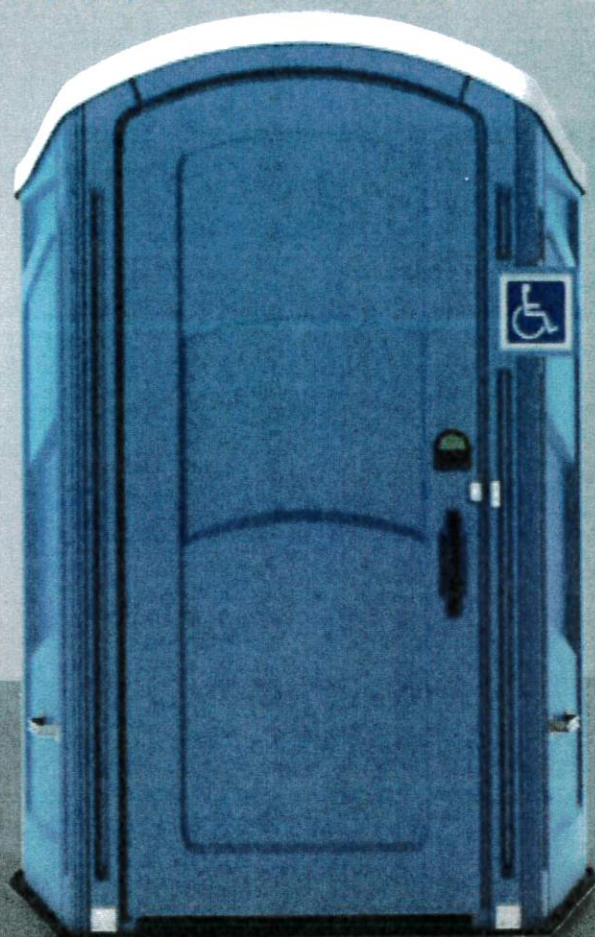
Specifications subject to change without notice.

📁 colors

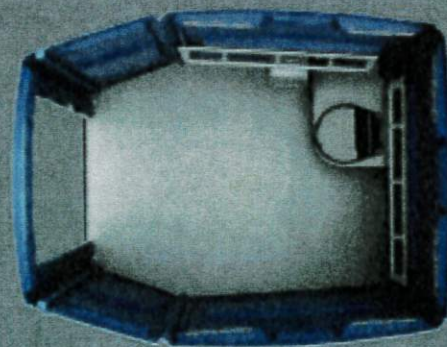
Royal Blue, Teal, Forest Green,
Sand, Gray

💬 reviews

"A light, sturdy ADA compliant restroom that is easy to handle and transport. It has an inviting appearance and is easy to enter and exit."



To improve handling and quality, the Freedom is fifty pounds lighter and has a unique front design featuring "living hinge" corners and a built-in, interlocking door hinge to eliminate door sag. The living hinge on each front corner acts like a shock absorber when struck by a fork lift or dropped off a trailer. Additionally, the capped roof and stainless steel front floor brackets combine with the front to form a superior ADA restroom.



Optional 35 gallon tank*

*NOTE: Only with the 35 gallon tank is the Freedom both ADA and California Title 24 compliant.







Tufway 500L Squatting Style with fresh water flush

■ Tufway 500L interior look squatting style with toilet bowl and fresh water flush.



Classic service with fresh water flush and large capacity waste tank (squatting style).

- Size: H: 2.38m x W: 1.12m x D: 1.22m
- Net weight: approximately 240lb. (109kg.)
- Holding tank volume: approximately 500 liters (400 liters waste & 100 liters fresh water)
- Usage: approximately flushing 640 times after each service
- Toilet bowl with flapper to hide waste
- Separate Urinal
- Separate hand wash sink is optional
- Cabana is made from High Density Polyethylene, very durable. Product life can be over 10 years
- Easy to move around, clean and maintain.

Landscape Comments : Refer to 2 July, 2025

1. Point no.3 :

The Tree Survey Plan in APPENDIX A to illustrate the information that are up-to-date on existing tree , including the tree landscape and location.

Tree Survey Schedule in APPENDIX B to illustrate the information that the tree species, proposed treatments and the conservation status .

Photographic Record Of Existing Trees in APPENDIX C.

2. Point no.4 :

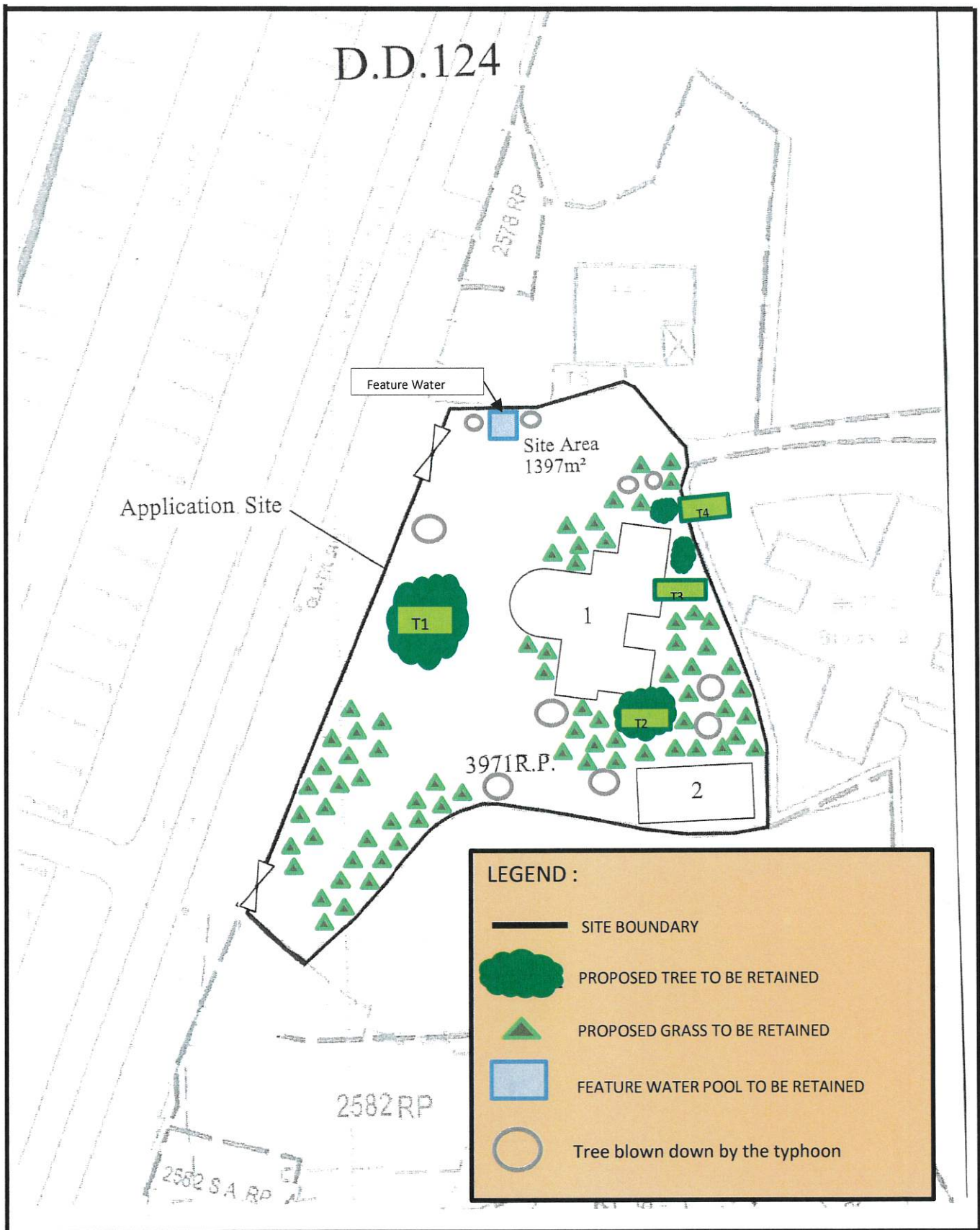
Landscape Master Plan in APPENDIX D is to respond to site conditions, both in terms of landscape character and visual amenity.

There are trees in the surrounding area, a soft and green landscape has already been created.

Add green sun umbrellas , protecting guests to provide a safe and healthy environment. It can also enrich the green landscapes.

APPENDIX A
TREE SURVEY PLAN

YAT TAK KWUN - LATEST INFORMATION ON EXISTING TREES



PROJECT : Proposed Columbarium at Lot No.3971 RP (Part) in D.D.124

DRAWING TITLE : Latest information on existing trees

DRAWING No. : YTK - T01

DATE OF ISSUE : 2/12/2025

DESIGN BY : Longlife (Agency) Limited - Freeon Wong

APPENDIX B
TREE SURVEY SCHEDULE

Tree Assessment Schedule



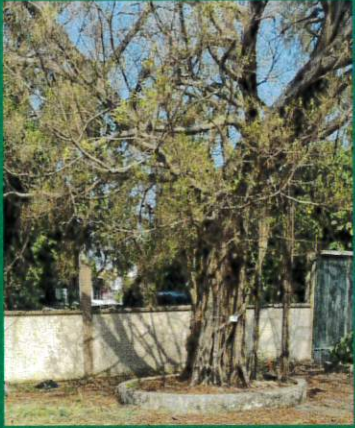



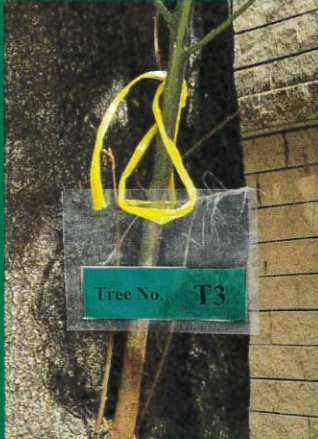

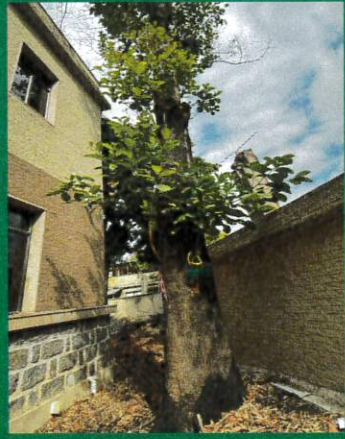


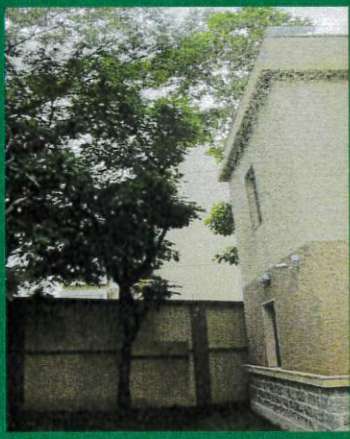
Proposed Religious Institutions (temples) in Lot 3971 RP,D.D.124,Tan Kwai Tsuen, Yuen Long

Prepared By Longlife (Agency) Limited on 02.12.2025

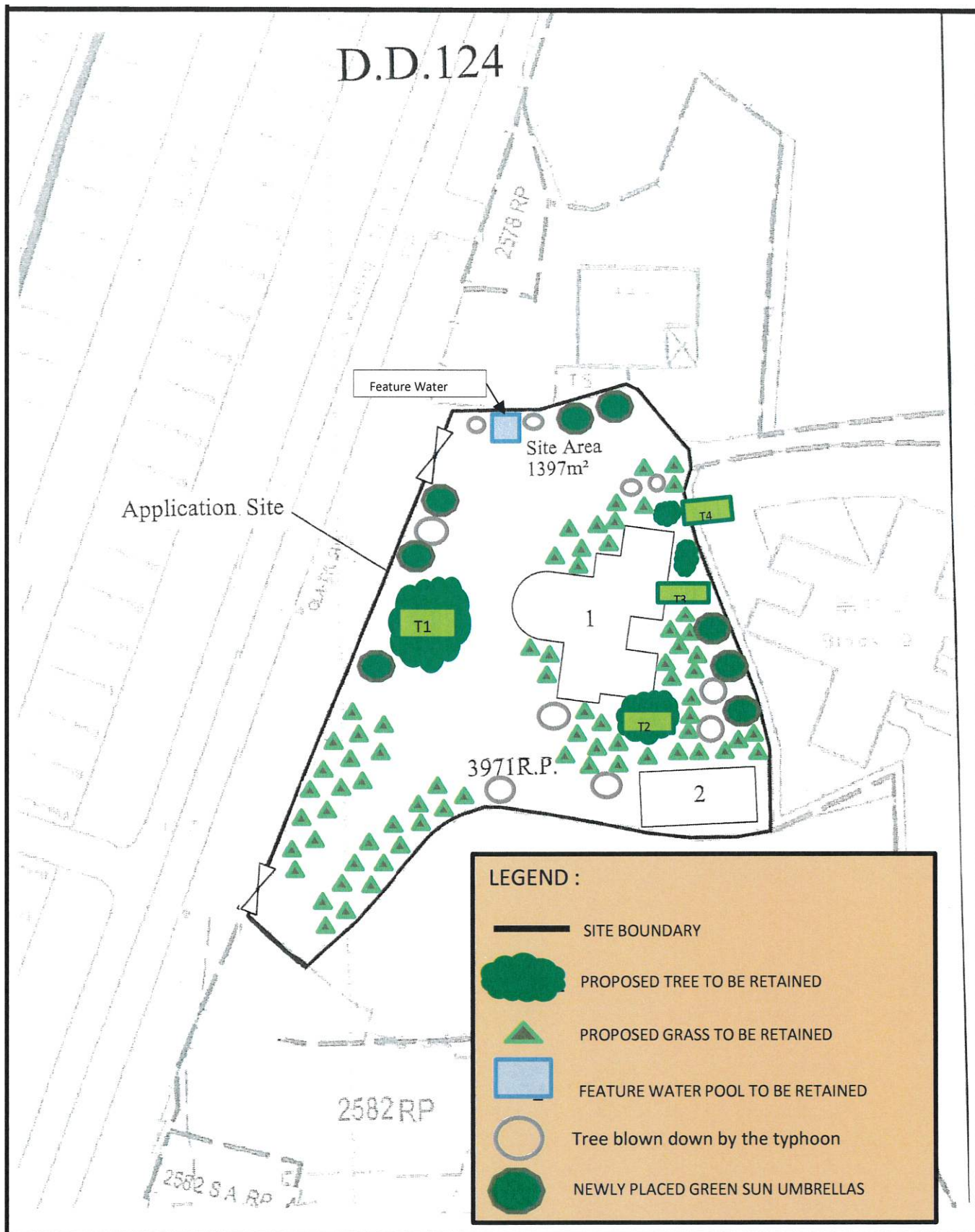
Tree	Name		Original Location	Size			Form	Health	Amenity Value	Survival Rate after Transplantation	Proposed Treatment	Remark
No.	Botancial Name	Chinese Name	(Within Lot / Outside Lot)	DBH (m)	Height (m)	Spread (m)	(Good/Fair/Poor)	(Good/Fair/Poor)	(High/Med/Low)	(High/Med/Low)	(Retain/Fell/Transplant)	
T1	Ficus microcarpa	細葉榕	Within Lot	0.9	12	9	Fair	Fair	Med	Low	Retain	-
T2	Ficus variegata	青果榕	Within Lot	0.7	13	9	Poor	Fair	Med	Low	Retain	co-dominant stems
T3	Litsea monopetala	假柿樹	Within Lot	0.43	13	7	Fair	Fair	Med	Low	Retain	-
T4	Euphoria longan	龍眼	Within Lot	0.27	9	5	Fair	Fair	Med	Low	Retain	-

APPENDIX C
PHOTOGRAPHIC RECORD
OF
EXISTING TREES

PHOTOGRAPHIC RECORD OF EXISTING TREES

<p>Tree No. T1</p>	 A close-up photograph of a tree trunk with a yellow tag attached. The tag is labeled "Tree No. T1". The trunk is thick and has a rough, textured bark.	 A photograph of a tree with a thick trunk and many branches, growing in a circular pit. The pit is surrounded by a low concrete wall. The ground is covered with dry leaves.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.
<p>Tree No. T2</p>	 A close-up photograph of a tree trunk with a yellow tag attached. The tag is labeled "Tree No. T2". The trunk is thick and has a rough, textured bark.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.
<p>Tree No. T3</p>	 A close-up photograph of a tree trunk with a yellow tag attached. The tag is labeled "Tree No. T3". The trunk is thick and has a rough, textured bark.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.
<p>Tree No. T4</p>	 A close-up photograph of a tree trunk with a yellow tag attached. The tag is labeled "Tree No. T4". The trunk is thick and has a rough, textured bark.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.	 A photograph of a tree with a thick trunk and many branches, growing in a courtyard. The tree is surrounded by a low concrete wall and other trees in the background.

APPENDIX D
LANDSCAPE MASTER PLAN



PROJECT : Proposed Columbarium at Lot No.3971 RP (Part) in D.D.124

DRAWING TITLE : PROPOSED LANDSCAPE DESIGN DRAWINGS

DRAWING No. : YTK - T02

DATE OF ISSUE : 2/12/2025

DESIGN BY : Longlife (Agency) Limited - Freeon Wong

1. NEWLY PLACED GREEN SUN UMBRELLAS



規格	傘面直徑	傘下直徑	整傘高度	收納長度
2.2M	2.4M	2M	2.4M	1.19M